

ABSTRACT OF THE DISCLOSURE

It is an object of the invention to provide a droplet ejection apparatus capable of detecting whether or not a missing dot (absence of a pixel) actually occurs on a formed image. The droplet ejection apparatus of the invention has a driving circuit, a reciprocating mechanism and a plurality of droplet ejection heads. Each head includes a cavity filled with a liquid, a nozzle communicated with the cavity and an actuator, and ejects the liquid within the cavity through the nozzle in the form of droplets by driving the actuator by means of the driving circuit to change an internal pressure of the cavity while moving the plurality of droplet ejection heads relatively with respect to a droplet receptor by the reciprocating mechanism so that the ejected droplets land on the droplet receptor. The droplet ejection apparatus includes ejection failure detecting means 10 for detecting an ejection failure of the droplet ejected through each of the nozzles. The ejection failure detecting means 10 detects the ejection failure with respect to a droplet ejection operation of each droplet ejected through the nozzles when the plurality of droplet ejection heads eject the droplets onto the droplet receptor.